



europeana  
think culture

# EUROPEANA METADATA INGESTION

20.11.2012, Helsinki, Finland

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As of now, Europeana has:

- 22.322.604 Metadata (related to a digital record) in CC0
- 3.698.807 are in the Public Domain
- 697.031 Digital Objects from Finland (Athena, The European Library, The National Library of Finland, OpenUp!, Svenska litteratursällskapet i Finland, EFG, Helsingin kaupunginkirjasto, BHL Europe)





→ After September 2012





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cultural records for free re-use!

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## Provide data

### Aggregators and providers

### Procedure

### Legal requirements

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#### Available Rights

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## Legal Requirements for Providing Data

Data providers and aggregators provide Europeana with metadata, a thumbnail and a link pointing to a digital object at the provider's website. The terms regarding data delivery and re-use are governed by Europeana's Data Exchange Agreement. You can find more about the Data Exchange Agreement and all other aspects of the Europeana Licensing Framework [here](#). This framework governs Europeana's relationship with the data providers and aggregators, and sets out conditions for data re-use. More information on data re-use can also be found [here](#).

## Data Exchange Agreement

The [Data Exchange Agreement](#) establishes two main rules relating to the intellectual property rights in the metadata and content delivered to Europeana:

1. All metadata provided to Europeana will be published by Europeana as [open data](#) under the terms of the Creative Commons Zero Public Domain Dedication (CC0).
2. Each digital object (and the associated preview) that is available via Europeana needs to carry a rights label that describes its copyright status (see 'Rights Labelling' below). If an object is in the public domain, it must be labelled as being in the public domain.

You can find more information on the difference between metadata and content [here](#) and you can find a summary of Europeana's policy regarding public domain content [here](#).

## Rights Labelling

When providing data about digital objects to Europeana, data providers are asked to provide rights information. The rights information about a digital object is recorded in the edm:rights field and communicated to users whenever data related to the object is displayed or otherwise

Click to download



Data Exchange Agreement

Click to download



Licensing Framework

CONTACT US

The Europeana Office

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Europeana builds on three layers of information:

**Layer #3: Metadata (descriptive object information)**

**Layer #2: Previews (lower quality versions of #1)**

**Layer #1: Digital objects (on the site of the provider)**



# Rights information about content (EDM:rights):

Screenshot of the Europeana search results page for the query "bastille".

The browser address bar shows: [www.europeana.eu/portal/search.html?query=bastille](http://www.europeana.eu/portal/search.html?query=bastille)

The Europeana logo is visible on the left, with the tagline "think culture".

The search bar contains the text "bastille". Below the search bar are links for "Refine your search" and "Help".

The page displays "Matches for: bastille" with "Results 1 - 12 of 13". The page number "1" is highlighted, and a "2" is shown with a right arrow.

On the left side, there is a "Filter your search:" panel. The "By copyright" filter is expanded, showing the following options:

- Public Domain marked (7)
- Free Access - Rig... (3)
- Paid Access - Rig... (2)

The "rights information" link is circled in red. Below the copyright filters, there is a checkbox for "Include content contributed by users" which is checked.

The search results are displayed in a grid format. The first row shows four items:

- "The Taking of the Bastille on the 14 of J..." (Image)
- "Storming Of The Bastille, The" (Image)
- "Francis Fulton-Smith" (Image)
- "Francis Fulton-Smith" (Image)

The second row shows four items:

- "The Destruction of the Bastille July 14th..." (Image)
- "The Destruction of the Bastille July 14th..." (Image)
- "The Destruction of the Bastille July 14th..." (Image)
- "The Taking of the Bastille, at Paris, by ..." (Image)

The third row shows four items:

- "The Destruction of the Bastille July 14th..." (Image)
- "The Destruction of the Bastille July 14th..." (Image)
- "The Destruction of the Bastille July 14th..." (Image)
- "The Taking of the Bastille, at Paris, by ..." (Image)

A "Legend:" section is visible at the bottom left of the results area.

# Rights information about previews on Europeana:

[Return to search results](#)

[Next](#) →



View item at:

[Регионална библиотека  
ПЕНЧО СЛАВЕЙКОВ -  
Варна/Public Library - Varna](#)

**Rights:** Регионална библиотека  
ПЕНЧО СЛАВЕЙКОВ - Варна

## Внимание!

**Creator:** [Заведението на Манол Джанев](#) | ▶

**Date:** [1927]

**Type:** [обява/реклама/съобщение](#) | ▶

**Subject:** [заведения](#) | ▶ [храни/напитки](#) | ▶

**Relation:** Варненски периодичен печат в края на 19 и началото на 20 век.

**Description:** Реклама.

**Data provider:** [Регионална библиотека ПЕНЧО СЛАВЕЙКОВ - Варна/Public Library - Varna](#) | ▶

**Provider:** [Регионална библиотека ПЕНЧО СЛАВЕЙКОВ - Варна / Public Library - Varna](#) | ▶ [Bulgaria](#) | ▶

## Explore further!

Similar content



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[Cite on Wikipedia](#)

[Auto-generated tags](#) ▶





# The object itself remains on the site and under the control of the data provider



Съответствия за: Варненски периодичен печат XIX - XX в.

Запис: 1 от 1

Вид на материала: [обява]

Автор(и): Заведението на Манол Джанев

Заглавие: Внимание!

Реклама.

Източник: Варненски кореняк

Дата: 02/06/1927, No. 2 4 с.

Тематика:

заведения

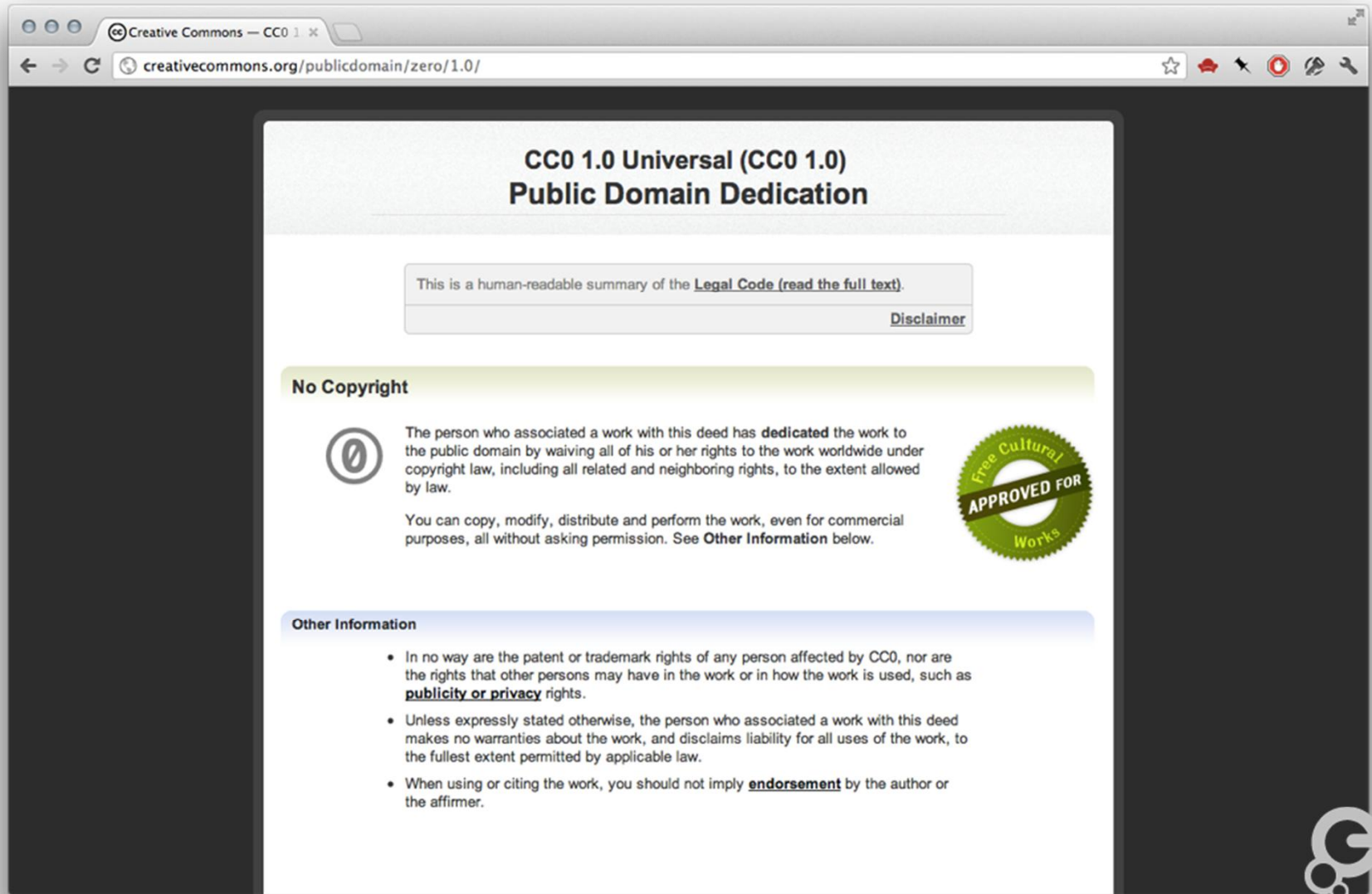
Продукт/Услуга:

храни/напитки

Лица: Джанев, Манол К.



# End user terms: CC0 1.0 Universal Public Domain Dedication:



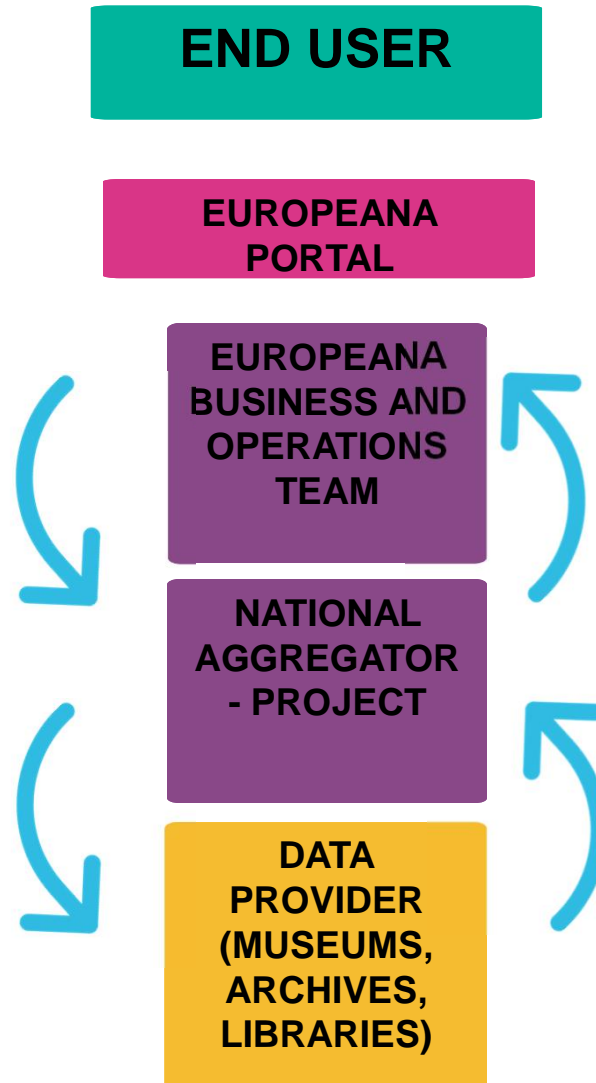
# → From the Data Provider to the Europeana Portal



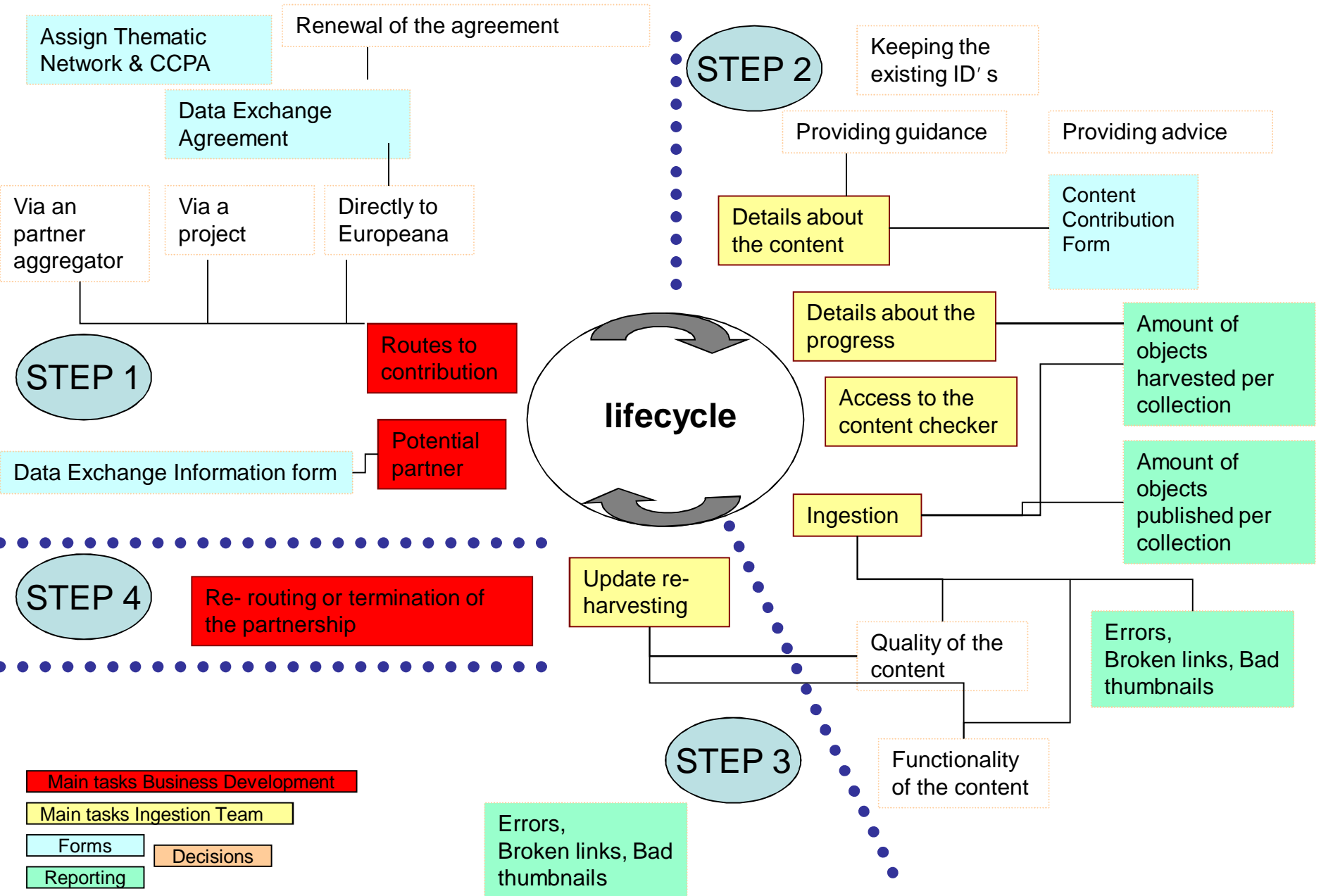


# From the Data Provider to the End User

A COLLABORATIVE  
PROCESS



# CONTENT MANAGEMENT: CPA' s lifecycle



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# Ingestion cycle: Step by Step

## BUSINESS TEAM

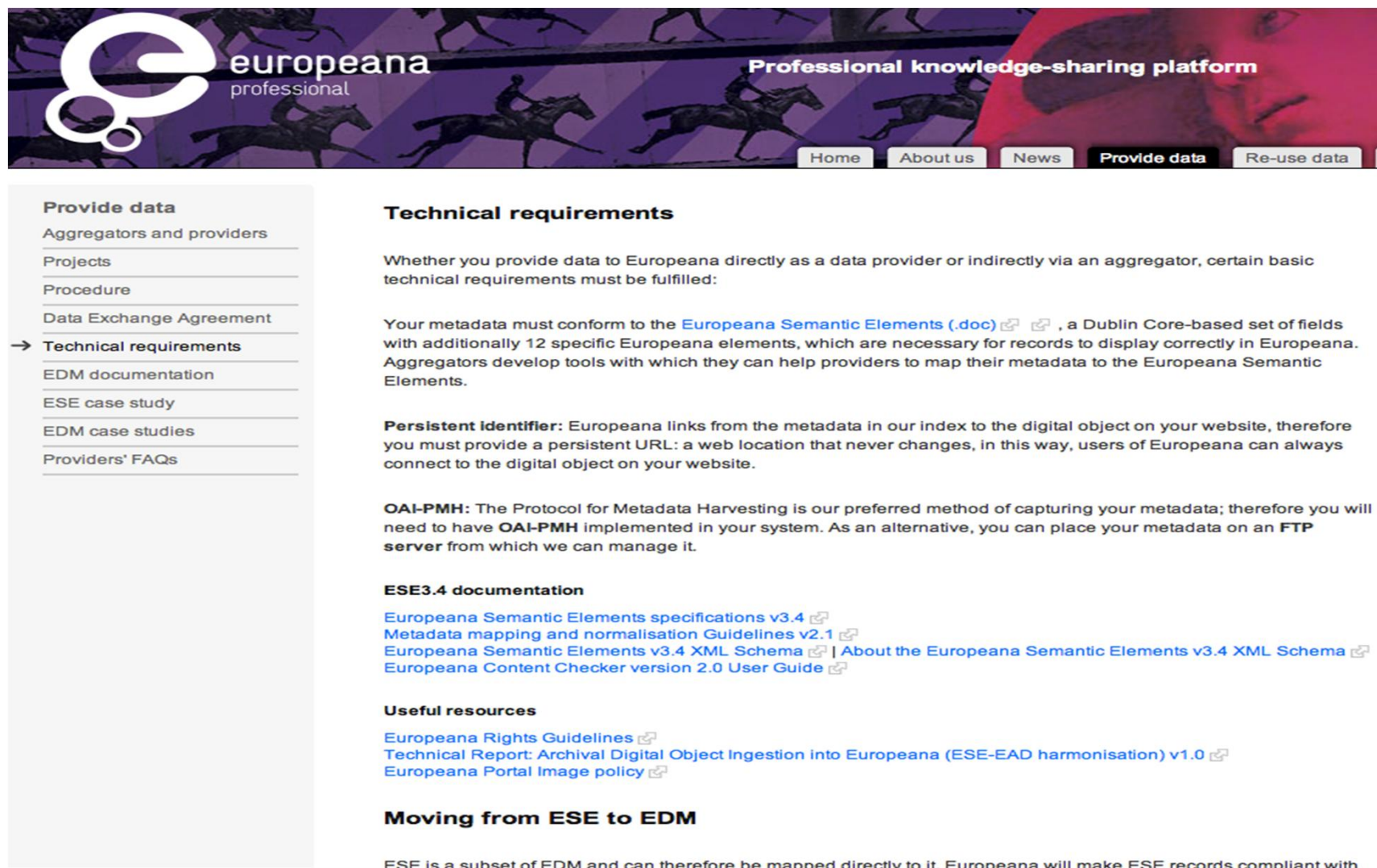
Partner request to Europeana, establish partnership & sign  
Europeana Data Exchange Agreement

## OPERATIONS TEAM

- Cultural Heritage Organisation starts workflow with Ingestion Team
- Sign Content Contribution Form
- Ingestion Team provides feedback on harvesting and metadata mapping
- Ingestion of provided datasets & publication on Europeana portal
- Ingestion of updated and new datasets – [content@europeana.eu](mailto:content@europeana.eu)



# Documentation on pro.europeana.eu



The screenshot shows the Europeana Professional website. The header features the Europeana logo and the text "Professional knowledge-sharing platform". Navigation buttons include Home, About us, News, Provide data (highlighted), and Re-use data. A left sidebar lists navigation options: Provide data, Aggregators and providers, Projects, Procedure, Data Exchange Agreement, Technical requirements (highlighted with a right arrow), EDM documentation, ESE case study, EDM case studies, and Providers' FAQs. The main content area is titled "Technical requirements" and contains the following text:

Whether you provide data to Europeana directly as a data provider or indirectly via an aggregator, certain basic technical requirements must be fulfilled:

Your metadata must conform to the [Europeana Semantic Elements \(.doc\)](#), a Dublin Core-based set of fields with additionally 12 specific Europeana elements, which are necessary for records to display correctly in Europeana. Aggregators develop tools with which they can help providers to map their metadata to the Europeana Semantic Elements.

**Persistent Identifier:** Europeana links from the metadata in our index to the digital object on your website, therefore you must provide a persistent URL: a web location that never changes, in this way, users of Europeana can always connect to the digital object on your website.

**OAI-PMH:** The Protocol for Metadata Harvesting is our preferred method of capturing your metadata; therefore you will need to have **OAI-PMH** implemented in your system. As an alternative, you can place your metadata on an **FTP server** from which we can manage it.

**ESE3.4 documentation**

- [Europeana Semantic Elements specifications v3.4](#)
- [Metadata mapping and normalisation Guidelines v2.1](#)
- [Europeana Semantic Elements v3.4 XML Schema](#) | [About the Europeana Semantic Elements v3.4 XML Schema](#)
- [Europeana Content Checker version 2.0 User Guide](#)

**Useful resources**

- [Europeana Rights Guidelines](#)
- [Technical Report: Archival Digital Object Ingestion into Europeana \(ESE-EAD harmonisation\) v1.0](#)
- [Europeana Portal Image policy](#)

**Moving from ESE to EDM**

ESE is a subset of EDM and can therefore be mapped directly to it. Europeana will make ESE records compliant with

<http://pro.europeana.eu/web/guest/provide-data>

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# Ingestion time-line

## MONTHLY CYCLE

- Ingestion closes before the end of every month  
**21st** as a preferred deadline
- Publication: new content in portal every first week of the month





# METADATA QUALITY IN EUROPEANA





# Metadata Quality in the Strategic Plan 2011 - 2015

*Europeana holds descriptive metadata rather than digitized objects. Improvements to this data offer better search results to users and increase the research opportunities that are enabled by Europeana.*

*We are developing guidelines, tools and training to help content providers improve and standardize data quality and the validity of persistent identifiers.*

*We are enforcing the clear attribution of rights information so that users know how they can legitimately use the content.*



# Metadata Quality in the Strategic Plan 2011 - 2015

*The web works on the basis of things being found; scholarship functions on traceable reference. These require that the cultural heritage sector ensures the persistency of its digital heritage in the same way that it has preserved and made accessible our physical and intellectual heritage.*

*Agreement must be reached on the use of persistent identifiers so that links are not broken, users are not alienated and scholarship can proceed on the basis of secure citation.*



# Metadata Quality in the Strategic Plan 2011 - 2015

*The full potential of interoperability will be unlocked by the implementation in 2011 of the Europeana Data Model (EDM), a new way of structuring data. EDM will enable the use of Semantic Web Technology, support Linked Open Data, maintain more domain-specific rich information and allow digital objects from providers to be shown alongside authoritative and curated information from other domains.*

*The change will benefit not only Europeana but also our providers who will be able to use the enriched data to upgrade to their own users.*

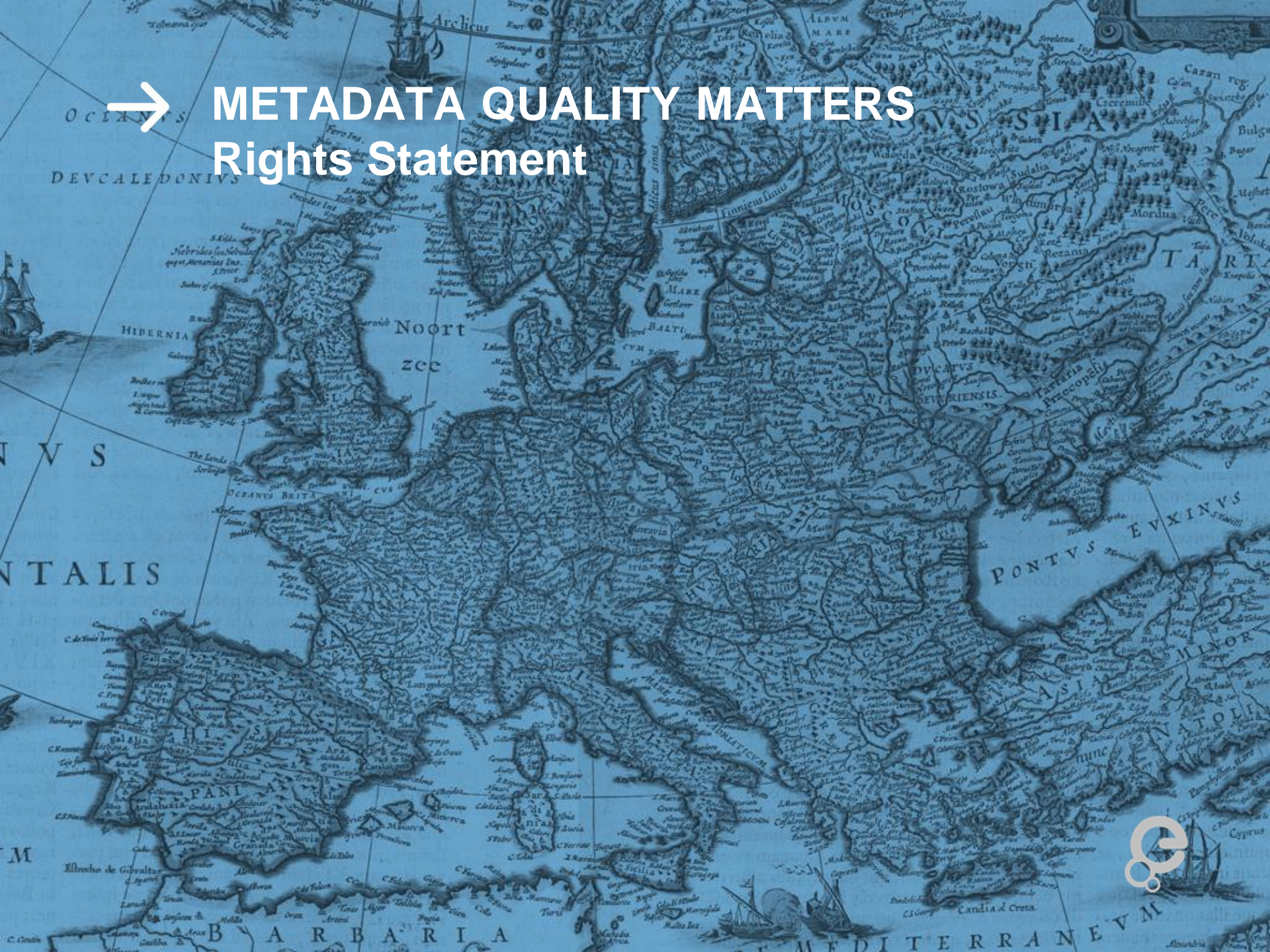






# METADATA QUALITY MATTERS

## Rights Statement





# Metadata Quality Matters

## RIGHTS STATEMENT - What does it communicate to the user?

[Return to search results](#)

[< Previous](#) [Next >](#)



[View item at Ateneumin taidemuseo](#)

**Rights:** Finnish National Gallery/Photographic Service

**Identifier:** A II 968:30

**Format:** 18,7 x 24,3 cm ; guassi paperille, liimattu etsauspaperille

**Source:** [Ateneumin taidemuseo](#) | ▶

### Kevätilta jäänlähdön aikaan

**Alternative Title:** Islossning ; Spring Evening, Ice Break ; Soir de printemps ; Frühlingsabend zur Zeit der Scheeschmelze

**Creator:** [Simberg, Hugo \(taiteilija\)](#) | ▶

**Date:** 1897

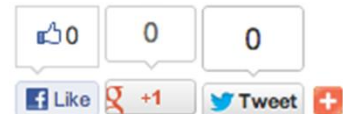
**Type:** [Physical Object](#) | ▶ [maalaus](#) | ▶

**Data provider:** [Ateneumin taidemuseo](#) | ▶

**Provider:** [National Library of Finland](#) | ▶ [Finland](#) | ▶

### Explore further!

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[Cite on Wikipedia](#)

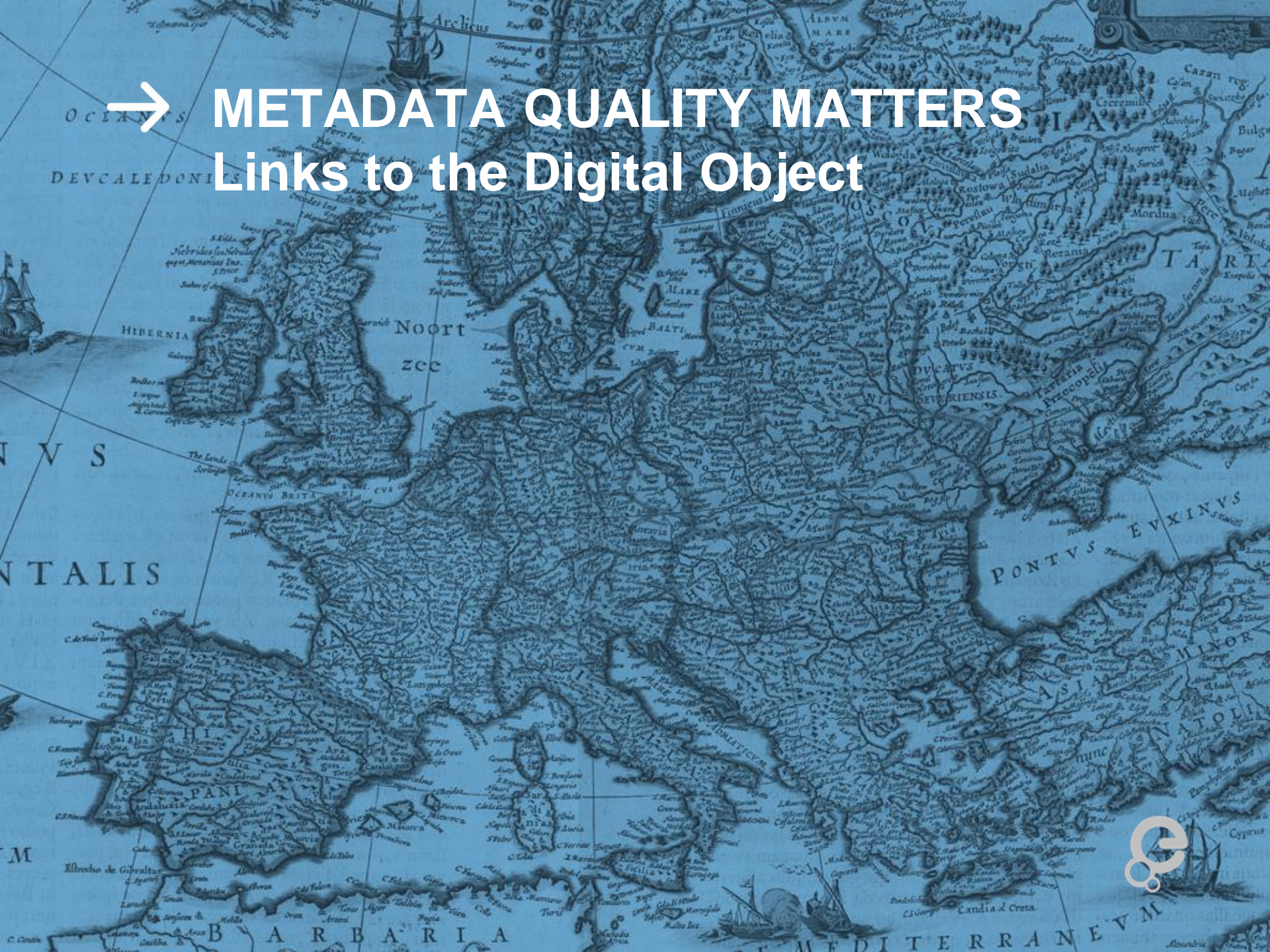






# METADATA QUALITY MATTERS

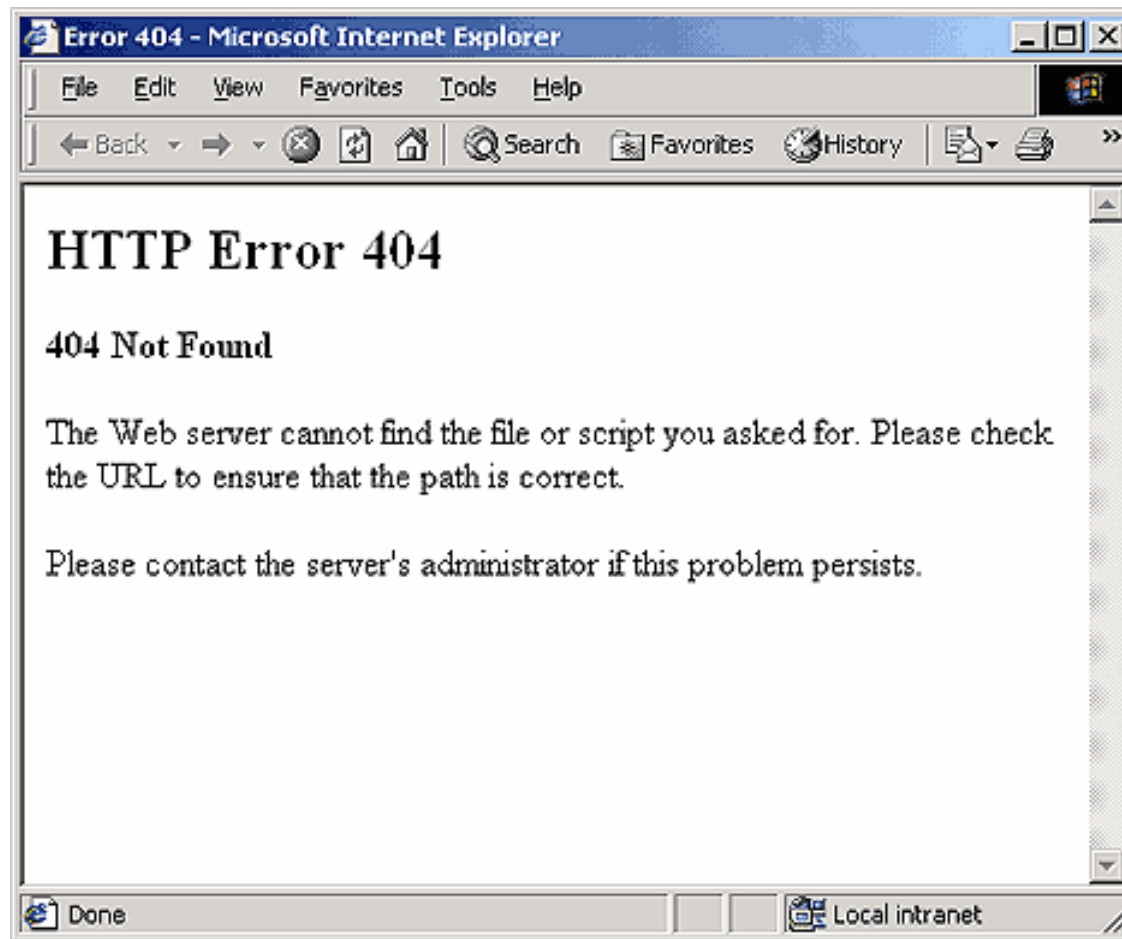
## Links to the Digital Object





# Metadata Quality Matters

## LINKS TO THE DIGITAL OBJECT

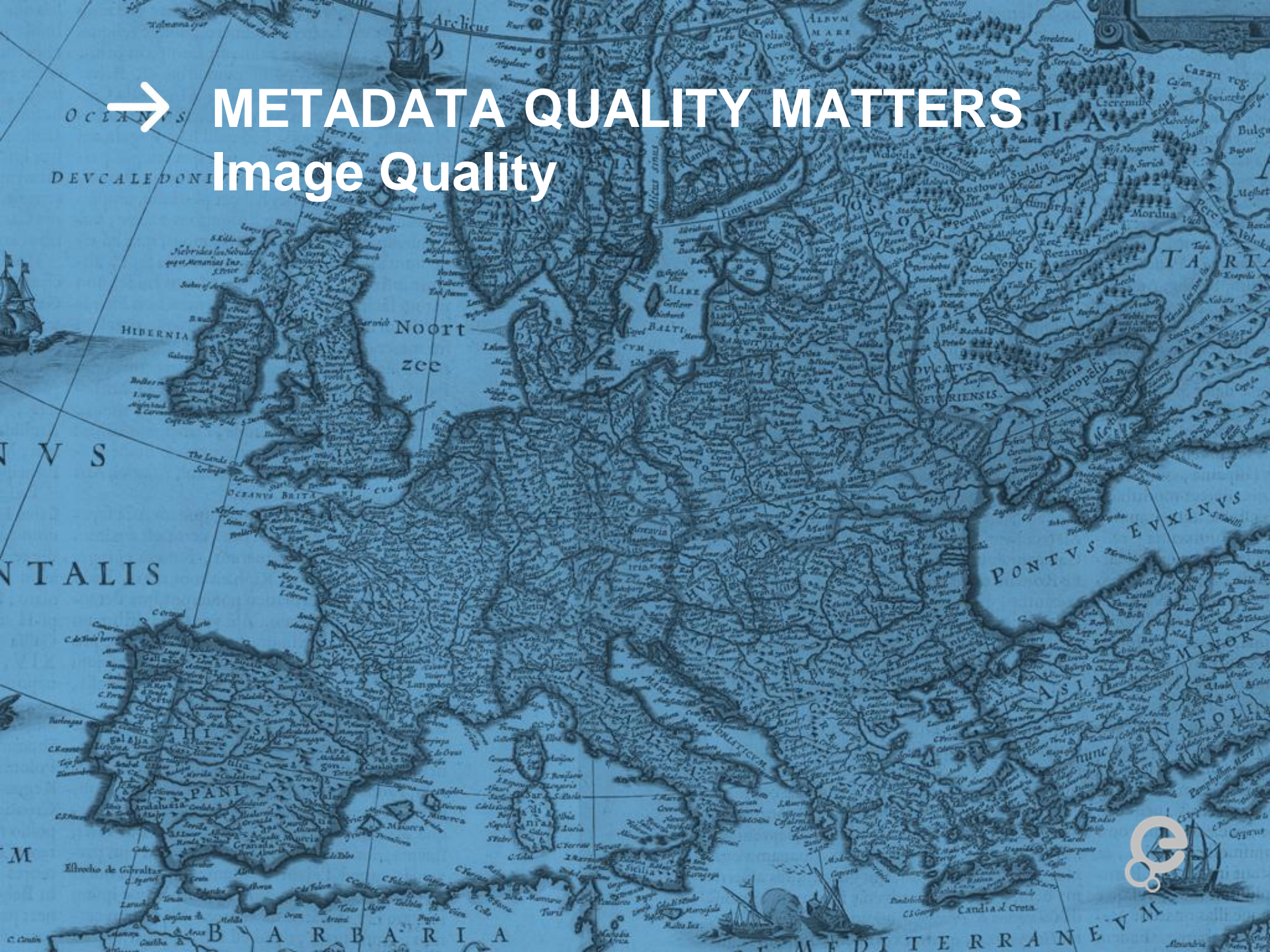






# METADATA QUALITY MATTERS

## Image Quality





# Metadata Quality Matters

## IMAGE QUALITY

Terug

Beurs van Hendrik de Keyser te Amsterdam



Bekijk het object extra groot

Identificatie / Vervaardiging

Fysieke kenmerken

Verwerving

**Collectie**  
prenten

**Objectnummer**  
RP-P-1905-564

**Titel(s)**  
Beurs van Hendrik de Keyser te Amsterdam  
La Bourse d' Amsterdam (titel op object)



**Datering**  
1816 - 1833



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# Metadata Quality Matters

## IMAGE QUALITY

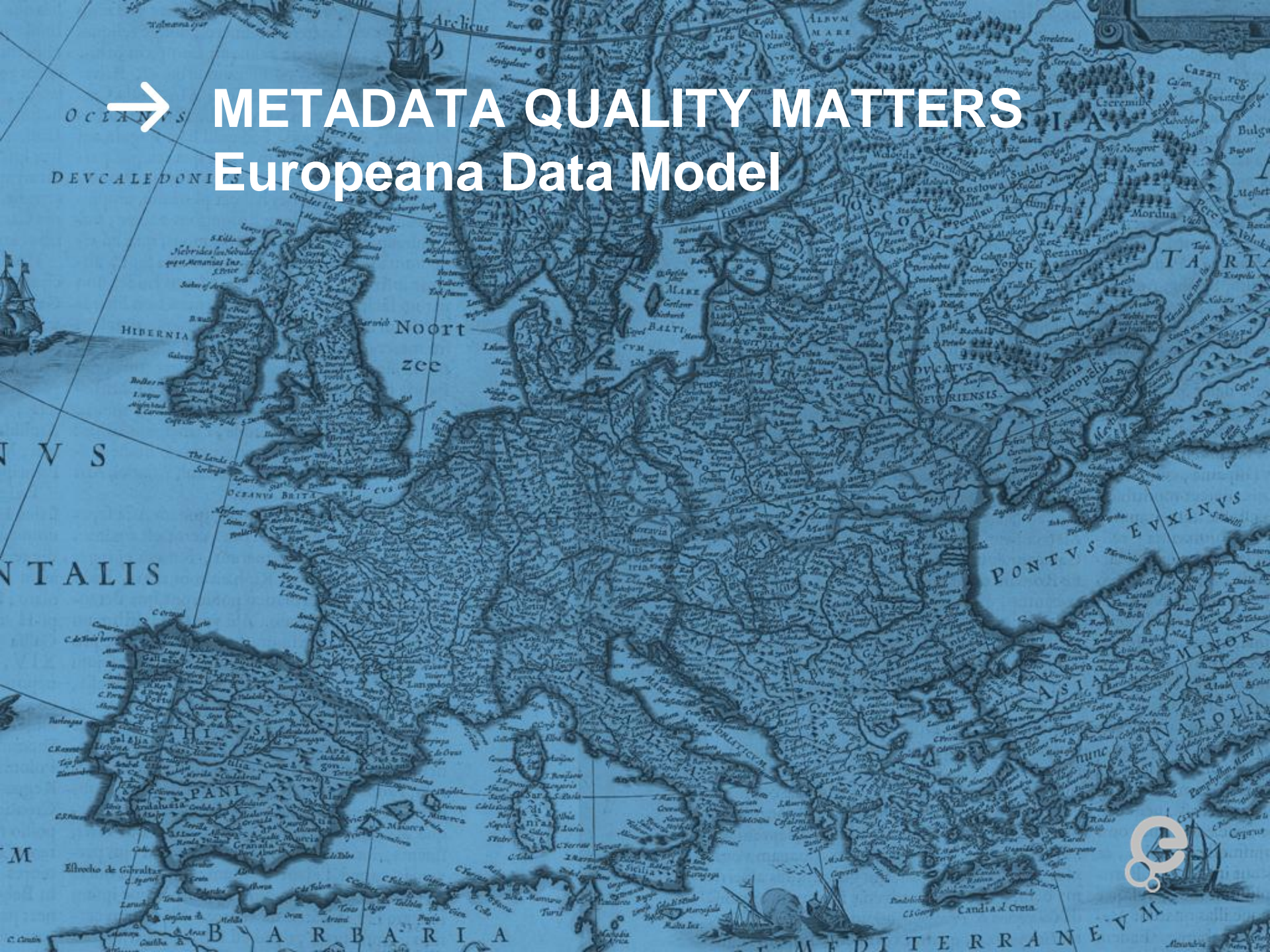






# METADATA QUALITY MATTERS

## Europeana Data Model





## Metadata Quality Matters

### **EDM - *How will EDM will help improving the quality of the metadata?***

EDM transcends domain-specific metadata standards, yet accommodates the range and richness of community standards such as LIDO for museums, EAD for archives or METS for digital libraries

Edm facilitates Europeana's participation in the Semantic Web, basing itself on an open, cross-domain, semantic web-based framework.



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# Metadata Quality Matters

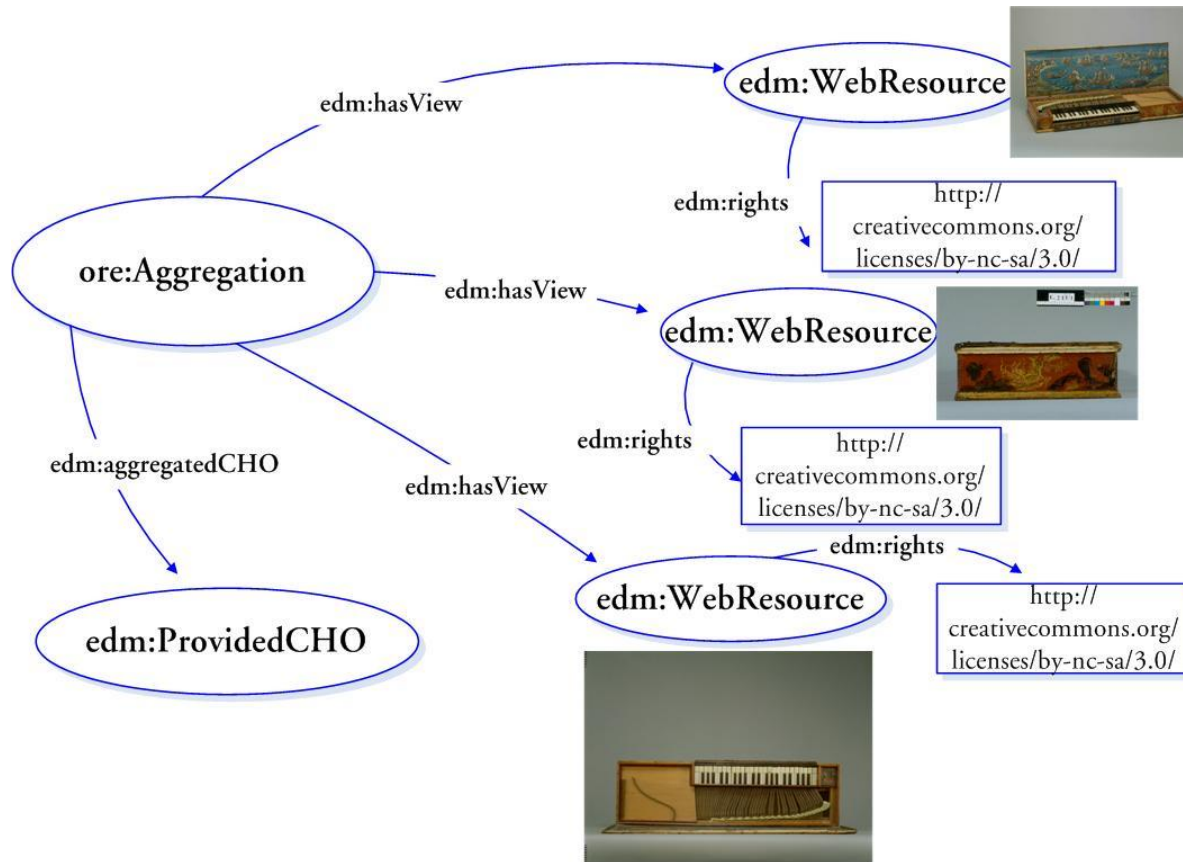
## **EDM - *How will EDM will help improving the quality of the metadata?***

1. Distinguish between the real world object (painting, book, program) and its digital representation
2. And the object and the metadata record describing the object.
3. Support for objects that are composed of other objects
4. Have compatibility with different abstraction levels of description
5. Re-use and extend elements from existing standards
6. Flexible support for describing contextual resources, including concepts from controlled vocabularies



# Metadata Quality Matters

## EDM - *How will EDM will help improving the quality of the metadata?*







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# Thank you

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# Concepts to further develop during the workshop:

- Importance of the Rights Statement
- Persistent identifiers to avoid broken links
- How EDM will help to improve the data quality in Europeana
- Image Quality for a meaningful user experience